

DT—Year 4—Greetings Cards

Design Brief

To design a greeting card, suitable for an occasion that includes a moving mechanism.



Design Skills

- Investigate existing products, including drawing them to analyse and understand how they are made.
- Plan a sequence of actions to make a product.
- Disassemble products to understand how they work.
- Improve on existing designs, giving reasons for choices.
- Develop more than one design.
- Generate designs with annotated sketches.
- Refine work and techniques as work progresses, continually evaluating the product design.
- Identify strengths and weaknesses of their design ideas.
- Talk about how closely their finished product meets their design criteria and meets the need of the user.

Textiles Skills

Year 3

- Strengthen frames using diagonal structures.
- Investigate how to make structures more stable e.g. widening the base.
- Begin to use mechanical systems in their products e.g. pulleys and levers.
- Cut materials accurately and safely by selecting appropriate tools.

Year 4

- To use skills and knowledge of moving mechanisms in a product.

Vocabulary

cards
levers
Fixed pivot
Loose pivot
Linkage

Design Process

Research

Look at a product to see how it has been made.

Skills

Practise and learn new skills to make the final product.

Design

Design the product using knowledge from research and skills learned.

Prototype

Make the prototype and identify any changes needed for the final design.

Make

Make the final product using skills learned.

Evaluate

Evaluate the final product.